

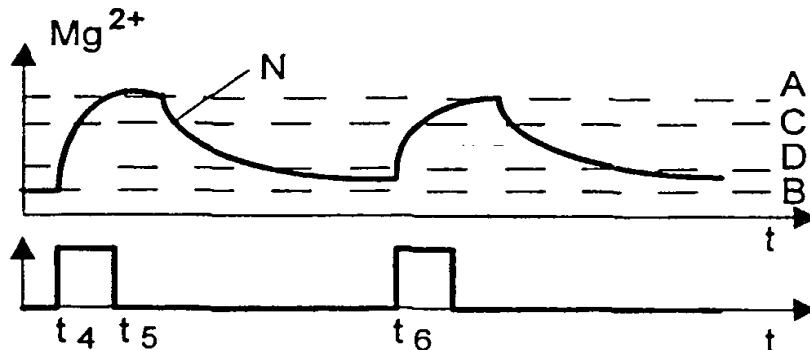
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(54) Title: METHOD FOR SYNTHESIS OF POLYPEPTIDES IN CELL-FREE SYSTEMS

(57) Abstract

The method of polypeptide synthesis in eukaryotic or prokaryotic cell-free systems based on a modified version of synthesis in the continuous flow or continuous exchange modes when, in addition to input into the reaction mixture of components maintaining the synthesis and removal from the reaction mixture of low molecular weight components inhibiting the synthesis, the concentration of at least one of the components selected from the group consisting of Mg^{2+} , K^+ , NTP, polyamines or their combinations determining the productivity of the synthesis is continuously changed within the given range of concentrations, while the concentrations of the other components are maintained constant.



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